

App. No. 09/544,399
Amtd. Dated Nov. 5, 2004
Reply to Office Action of September 14, 2004

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A wound healing apparatus comprising:

a foam pad shaped for insertion into a wound bed, said pad comprising:

— a highly reticulated open-cell foam; and

a means for providing phototherapy through said foam pad into the tissue of the wound bed.

Claim 2 (currently amended): A pad-wound healing apparatus according to claim 1 wherein said pad transmits electromagnetic radiation in a significant portion of the spectrum between approximately 300nm and approximately 1500nm.

Claim 3 (currently amended): A pad for insertion into a wound bed, said pad comprising:

according to claim 2 wherein said pad is comprised of a reticulated open-cell plasticized acrylmide foam; and

a means for providing phototherapy.

Claim 4 (currently amended): A pad for insertion into a wound bed, said pad comprising:

according to claim 1 wherein said pad comprises a highly reticulated, open-cell foam selected from the group consisting of polyurethane and polyether; and

a means for providing phototherapy.

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Claim 5 (currently amended): A pad-wound healing apparatus according to claim 1 wherein said phototherapy means comprises an optical fiber.

Claim 6 (currently amended): A pad-wound healing apparatus according to claim 5 wherein said fiber comprises a plurality of optically transmitting fibers.

Claim 7 (currently amended): A pad for insertion into a wound bed, said pad comprising:
a highly reticulated open-cell foam; and
according to claim 1 wherein said means an optical pigtail for providing phototherapy
comprise an optical pigtail.

Claim 8 (currently amended): A pad according to claim 7 wherein said pigtail comprises a plurality of optical fibers.

Claim 9 (currently amended): A wound healing apparatus comprising:
a reticulated open-cell foam pad for insertion into a wound bed;
a means for providing phototherapy; and
according to claim 1, further comprising a device enabling the concurrent application of
negative pressure therapy and the delivery of electromagnetic energy to a wound, wherein said
device comprises a vacuum drainage means, an air tight drape providing a seal about said pad,
and an energy emitter integrally incorporated within said pad.

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Claim 10 (currently amended): A device wound healing apparatus according to claim 9 wherein said energy emitter comprises optical slots.

Claim 11 (original): A method of providing concurrent negative pressure therapy and phototherapy comprising negative pressure application means having phototherapy means integrated therein.

Claim 12 (currently amended): A method according to claim 11 wherein said phototherapy means comprises optical slots.

Claim 13 (previously presented): A pad for use in negative pressure therapy that also comprises means for providing phototherapy, said pad comprised of a plasticized, acrylimide foam, and wherein said pad transmits electromagnetic radiation in a significant portion of the spectrum between about 300nm and approximately 1500nm.